# EXPRESS EN386480857US

Docket No.: PD030048

### DECLARATION AND POWERS OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I-am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

plarar flames are noted below, or the ex	DSP-BASED	DATA RECOVERY	-
the specification of which was filed on	April 27, 2004	as Application Serial No.	PCT/EP 2004/004406
and was amended on	or, if not ide	entified here by filing date ar	nd serial number, is attached hereto.
I have reviewed and understand th	ne contents of the above ider	itified specification, including	g the claims, as amended by any
amendment referred to above			
I acknowledge the duty to disclose	information which is materia	al to the examination of this a	application in accordance with 37
CFR 1.56.	-51do- 25 USC 110 of on	v foreign application(s) for p	atent or inventor's certificate listed
below and have also identified below a	ny foreign application for nat	ent or inventor's certificate b	ov me or my representatives or
assigns for this invention having a filing	a date before that of the appl	ication on which priority is cl	laimed.
Application No. 03010998 7	in EP on May 16, 2003	3 priority claimed [x] Yes	s [ ] No
Application NoApplication No	in on	priority claimed [] Yes [] No	0
Application No.	in on	priority claimed [] Yes [] No	0
I hereby claim the benefit under 3:	5 USC 119(e) of any United S	States provisional application	n(s) as listed below.
Application No F	iled		
Application No F I hereby claim the benefit under 3	iled	toe application(s) listed belo	w and insofar as the subject
matter of each of the claims of this app	dication is not disclosed in the	e prior United States applica	ation in the manner provided by the
first paragraph of 35 USC 112 Lackno	wledge the duty to disclose r	material information as defin	ed in 37 CFR 1.56(a) which
occurred between the filing date of the	prior application and the nat	ional or PCT international fil	ing date of this application
Serial No Filed _	[ ] patented [ ] p	ending [] abandoned	
Serial No Filed _ Serial No Filed _	[] patented [] p	ending [ ] abandoned	U -t-ttdo an information
I horeby declare that all statement	ts made herein of my own kn	owledge are true and that al	Il statements made on information
and belief are believed to be true; and and the like so made are punishable	turtner that these statements	sthunder 18 USC 1001 and	t that such willful false statements
may jeopardize the validity of the appli	cation or any patent issued t	hereon	That such William raise statements
I horoby appoint individually and	collectively, the following as a	mv/our attornev or agent wit	h full power of substitution and
revocation, to prosecute this application	on and to transact all busines	s in the U.S. Patent and Tra	demark Office connected therewith:
•	•		
Joseph S.			and
Joseph J.			and ·
Harvey D.			and and
Ronald H.			and and
Robert D.			and
Vincent E. Robert B.		ation No. 28,234	and
Kobert B.	<u>Levy</u> Registi	20,207	<del></del>
PLEASE ADDRESS	ALL		
COMMUNICATIONS		·	•
	PATENT OPERATIONS THOMSON LICENSING		
	P. O. BOX 5312	•	
	PRINCETON, NEW JEF		<b>4</b>
Sole or Joint Klaus Gaedke		Our Spech	<i>ا</i>
Inventor (1) (Type or Print)	<del></del>	(Signature in Full No initials	.)
l DE		Date 25th of A	
Citizenship	22	Date 2301 07 //	0 3
Post Office Address Schaumannwe	:g zz		
Residence 30659 Hannover, Ge	rmany		
Sole or Joint Friedrich Timme	rmann	Tricke d lim	mmam
(Type or Print)		(Signature in Full. No initials	5.)
l DE		Date 25. August.	2005
Citizenship Post Office Address Moehlenbrinks	etr 6	Date Zig. MIXMIT.	. 2003
Moemenbring	u. 0		<del></del>
Residence 30823 Garbsen, Geri	many		<u> </u>
Neodonice			
Sole or Joint Axel Kochale		1 / lestre	
(Type or Print)	· · · · · · · · · · · · · · · · · · ·	(Signature in Full. No initials	3.)
l DE	ı.	1 sale of D.	45× 2005
Citizenship		Date 254 of ACT	
Post Office Address Beckerweg 1			
Residence 31832 Springe, Germ	nany		

Docket No.: PD030048

Sole or Joint Ralf-Detlef Schaefer	Ruly Delly O.D. T
(Type or Print)	(Signaturé in Full. No initrals.)
Citizenship DE	Date 25.8.2001
Post Office Address Hannoversche Heerstr. 21	
Residence 29221 Celle, Germany	
Sala et laint Harbort Salaütza	
Sole or Joint Herbert Schütze Inventor (5)	(Classical In Full No initials )
(Type or Print)	(Signature in Full. No initials.)
Citizenship DE	Date
Post Office Address Ringweg 2	
Residence 29227 Celle, Germany	
Sole or Joint Marten Kabutz	
(Type or Print)	(Signature in Full. No initials.)
Citizenship	Date
Post Office Address Pforzheimer Str. 15	
Residence 78048 Villingen-Schwenningen, Germany	

Patent Operations Thomson Licensing Inc. P.O. Box 5312 Princeton, NJ 08543-5312

Rev. 06/2004

Docket No.: PD030048

### **DECLARATION AND POWERS OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

piurai names a	re listed below) of the subject	DSD_RASE!	DATA RECOVER	<b>Y</b>	oor. orog		
the energification	a of which was filed on	April 27, 2004	as Application Seria		04/004406		
•	n of which was filed on						
and was amended on , or, if not identified here by filing date and serial number, is attached hereto I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any							
amendment ref	ferred to above.		-1.4- 46	l this smallestion in .	accordance with 27		
	edge the duty to disclose inform	nation which is mater	al to the examination of	this application in	accordance with 57		
CFR 1.56.	aim foreign priority benefits ur	der 35 USC 119 of a	ov foreign application(s)	) for natent or inven	tor's certificate listed		
I nereby ci	e also identified below any for	nion application for pa	tent or inventor's certifi	cate by me or my re	enresentatives or		
pelow and nav	invention having a filing date	before that of the and	lication on which priorit	v is claimed:	.presentatives of		
Applic	eation No. <u>03010998.7</u> in <u>E</u>	P on May 16 200	3 priority claimed [ x	1 Yes [1 No			
Applic	eation No. oco recour.	on on	priority claimed [] Yes	1 No			
Annlin	Application No in on priority claimed [] Yes [] No Application No in on priority claimed [] Yes [] No						
i hereby cl	aim the benefit under 35 USC	119(e) of any United	States provisional appl	ication(s) as listed t	pelow.		
Applic	cation No Filed _			, , ,			
Applic	cation No. Filed						
I hereby cl	laim the benefit under 35 USC	120 of any United St	ates application(s) listed	d below and, insofa	r as the subject		
matter of each	of the claims of this applicatio	n is not disclosed in t	he prior United States a	ipplication in the ma	inner provided by the		
first paragraph	of 35 USC 112, I acknowledge	e the duty to disclose	material information as	defined in 37 CFR	1.56(a) Which		
occurred between	een the filing date of the prior	application and the na	tional or PCT internation	nai illing date of this	s application		
Serial	No Filed No Filed	[] patented [];	pending [] abandoned				
J bereby d	eclare that all statements mad	e herein of my own k	nowledge are true and t	hat all statements r	nade on information		
and helief are l	believed to be true; and further	that these statemen	s were made with the k	nowledge that willfu	ul false statements		
and the like so	made are punishable by fine	or imprisonment, or b	oth, under 18 USC 100	1 and that such will	ful false statements		
may jeopardize	the validity of the application	or any patent issued	thereon.				
I hereby a	ppoint, individually and collect	ively, the following as	my/our attorney or age	nt with full power of	substitution and		
revocation, to	prosecute this application and	to transact all busine	ss in the U.S. Patent an	d Trademark Office	connected therewith:		
		D					
	Joseph S. Tripoli		ration No. 26,040	and			
	Joseph J. Laks		ration No. 27,914	and			
•	Harvey D. Fried		ration No. 28,298	and			
	Ronald H. Kurdy		ration No. 26,932	and			
	Robert D. Shedd		ration No. 36,269 ration No. 39,964	and and			
•	Vincent E. Duffy		ration No. 28,234	and			
	Robert B. Levy	negisi	TallOl1 NO. 20,234				
•	PLEASE ADDRESS ALL	•					
		JOSEPH S. TRIPOLI	<del> </del>		•		
		PATENT OPERATION					
		THOMSON LICENSING P. O. BOX 5312	inc.				
		PRINCETON, NEW JE	RSFY 08543-5312	•	•		
Sole or Joint	Klaus Gaedke	THINGE TON, HEW OL		***************************************			
Inventor (1)			(8)				
	(Type or Print)	•	(Signature in Full. No	initials.)			
Citizenship	DE		Date				
Post Office Add	ress Schaumannweg 22						
i							
Residence	30659 Hannover, Germany	·					
Cata as talat					·		
Sole or Joint Inventor (2)	Friedrich Timmermanr	1					
	(Type or Print)		(Signature in Full. No	initials.)			
Citionable	DE		Date		Ì		
Citizenship Post Office Add	ress Moehlenbrinkstr. 6		Date				
7 OST OTHER PAGE	Woethernbrinkstr. 0						
Residence	30823 Garbsen, Germany	· · · · · · · · · · · · · · · · · · ·			· ·		
Sole or Joint	Axel Kochale				——		
Inventor (3)							
	(Type or Print)		(Signature in Full. No	initials.)			
Citizenship	DE		Date	<u> </u>			
Post Office Add	ress Beckerweg 1						
. [		<del> · · · · · - · · · · · · · · · · </del>					
l =	31832 Springe Germany				1		

Docket No.: PD030048

Sole or Joint Inventor (4)	Ralf-Detlef Schaefer	
1	(Type or Print)	(Signature in Full. No initials.)
000	DE	Date
Citizenship Post Office Add	dress Hannoversche Heerstr. 21	
Residence	29221 Celle, Germany	
Sole or Joint	Herbert Schütze	
Inventor (5)	(Type or Print)	(Signature in Full. No initials.)
	DE	Date
Citizenship Post Office Add	dress Dingwog 2	Date
FOST OFFICE AGO	dress Ringweg 2	
Residence	29227 Celle, Germany	
11031001100		Me Clark
Sole or Joint Inventor (6)	Marten Kabutz	Monte laly
(0)	(Type or Print)	(Signature in Full. No initials.)
Citizenship	ZA	Date 19.9.05
Post Office Add	dress Pforzheimer Str. 15	
Residence	78048 Villingen-Schwenningen, Germany	
,		

Patent Operations Thomson Licensing Inc. P.O. Box 5312 Princeton, NJ 08543-5312

Rev. 06/2004

EXPRESS EV38648085745

PTO/SB/81 (11-04)

Approved for use through 11/30/2005. 0MB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**Application Number** D **Filing Date POWER OF ATTORNEY** KLAUSS GAEDKE et al. First Named Inventor **DSP-BASED DATA RECOVERY** CORRESPONDENCE ADDRESS **Art Unit** INDICATION FORM **Examiner Name** Attorney Docket Number I hereby appoint: **Customer Number 24498** ☑ Practitioners at Customer Number OR ☐ Practitioner(s) named below: Name Registration Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith. Please recognize or change the correspondence address for the above-identified application to: The above-mentioned Customer Number:. OR The address associated with Customer Number: OR Firm or Joseph S. Tripoli, Patent Operations Individual Name THOMSON LICENSING INC. Address P. O. BOX 5312 Address 08543-5312 City **PRINCETON** State NJ ZIP Country 609-734-6888 609-734-6818 Fax Telephone I am the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). SIGNATURE of Applicant or Assignee of Record RONALD H. KURDYLA, RES. NO. 26,932 Name Signature Telephone 609-734-6818 NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

forms are submitted.

★Total of ...

## POWER OF ATTORNEY THOMSON LICENSING

We,

THOMSON LICENSING

46, Quai A. Le Gallo

F-92100 Boulogne-Billancourt

France

do hereby grant

Joseph S. Tripoli Senior Vice President Thomson Licensing Inc. Two Independence Way Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from July 1, 2005

OATED this \_\_\_\_\_\_day o

, in the year 2005

Signature:

Typed Name As Signed:

Title:

Julian Waldron

President

### POWER OF ATTORNEY THOMSON LICENSING

THOMSON LICENSING 46, Quai A. Le Gallo F-92100 Boulogne-Billancourt France

### does hereby grant

Joseph J. Laks - Vice President Harvey D. Fried - Sr. Patent Counsel/Manager Ronald H. Kurdyla - Sr. Patent Counsel/Manager Robert D. Shedd - Sr. Patent Counsel/Manager Robert B. Levy - Sr. Patent Counsel/Manager Frank Y. Liao - Sr. Patent Counsel/Manager Reitseng Lin - Sr. Patent Counsel Christine Johnson - Sr. Patent Counsel Guy H. Eriksen - Sr. Patent Counsel Catherine A. Ferguson - Sr. Patent Counsel Joseph J. Kolodka - Sr. Patent Counsel Kuniyuki Akiyama - Sr. Patent Counsel Paul P. Kiel - Sr. Patent Counsel Jeffrey M. Navon - Sr. Patent Counsel Joel M. Fogelson - Sr. Patent Counsel Joseph J. Opalach - Sr. Patent Counsel Sammy S. Henig - Sr. Patent Counsel Patricia A. Verlangieri - Sr. Patent Counsel Jorge Tony Villabon - Patent Counsel Vincent E. Duffy - Patent Counsel Richard LaPeruta - Patent Counsel Francis A. Davenport - Sr. Patent Agent William A. Lagoni - Patent Agent Brian J. Cromarty - Patent Agent Ronald Kolczynski - Member Patent Staff Michael A. Pugel - Patent Agent Thomson Licensing Inc. Two Independence Way Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from July 1, 2005.

DATED this

day of

SIGNED

Joseph S. Tripoli Sr. Vice President

Thomson Licensing Inc. and

Attorney In Fact for THOMSON LICENSING

WITNESS

Navida Joinarotto